

MusicWorks™

Simple Source Audio Control Center





CAUTION:

To prevent electric shock, match wide blade of plug to wide slot. Insert fully.

ATTENTION:

Poer eviter les chocs electriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

Batteries

Please dispose of used batteries properly, following any local regulations. Do not incinerate.

Important Notice

The serial number for the radio is located on its back panel. Please write this number down and keep it in a secure area.

Class 1 Laser Product

This CD player is classified as a CLASS 1 LASER PRODUCT. The CLASS 1 LASER PRODUCT label is located on the back of the system.

*CLASS 1 LASER PRODUCT
KLASSE 1 LASER PRODUKT
LUKAN 1 LASER LAITE
KLAS 1 LASER APPARAT*

FCC Statement of Compliance

This equipment has been tested and found to comply with the limits for a Class B Digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, this is no

guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, you are encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna and the power cord.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a different circuit than the one to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Class B Emissions Limits

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Note:

Unauthorized modification of this unit could void the users authority to operate this equipment

IMPORTANT SAFETY INSTRUCTIONS

1. **READ INSTRUCTIONS.** All safety information and operating instructions should be read before the product is operated.
2. **RETAIN INSTRUCTIONS.** The safety information and operating instructions should be kept for future reference.
3. **OBSERVE WARNINGS.** All warnings, either on the product or in the owner's manual, should be followed.
4. **FOLLOW INSTRUCTIONS.** Operate the product in accordance with the written instructions.
5. **CLEANING.** Unplug this product from a wall outlet before cleaning. Do not use liquid or spray cleaners. Use a cloth moistened with water for cleaning.
6. **ATTACHMENTS.** Use only attachments specifically designed for this product. Other attachments may cause hazards.
7. **WATER AND MOISTURE.** Do not use this product near water: For example, near a bathtub, wash basin or sink, or washing machine; in an area subject to water leakage, like a basement; near a swimming pool or other similar areas.
8. **ACCESSORIES.** Do not place this product on an unstable surface of any kind. The product may fall causing serious injury to a child or adult. Falls may also damage the product. Any mounting of the product should be secure and not subject to failure when struck or vibrated. Always transport the product alone. Do not transport the product within or on top of a rolling carrier.
9. **VENTILATION.** Holes in the rear of the product are provided for ventilation and to ensure reliable operation. These openings should never be blocked or covered, upholstered furniture, rug or other similar surface. Do not place the product inside a cabinet or other closed chamber unless the chamber has adequate ventilation.
10. **POWER SOURCES.** The product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your local power company.
11. **POWER ADAPTER CORD PROTECTION.** Power adapter cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to the security of a power cord near where it meets a plug, convenience receptacles, and the point where the power cord exits the product.
12. **PERIODS OF INACTIVITY.** The power cord of the product should be unplugged from an outlet when left unused for a long period of time.
13. **OUTDOOR ANTENNA GROUNDING.** If an outside antenna or cable system is connected to the product, be sure the antenna is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electric Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, connections to grounding electrodes, and requirements for the grounding electrodes.
14. **LIGHTNING.** For added protection of this product during a lightning storm, or when it is left unattended and unused for a long period of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.
15. **POWER LINES.** An outside antenna system should not be located in the vicinity of overhead power-lines or other electric light or power circuits, or where it can fall into such power lines and circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits, as contact with them might be fatal.
16. **OVERLOADING.** Do not overload wall outlets, extension cords, or integral convenience outlets. This can result in a risk of fire or electric shock.
17. **OBJECT AND LIQUID ENTRY.** Never push objects of any kind into this product through openings, as they may touch dangerous voltage points or short out parts that could result in fire or electric shock. Never spill liquid of any kind on the product.
18. **SERVICING.** Do not attempt to service this product yourself, as opening or removing the covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
19. **DAMAGE REQUIRING SERVICE.** Unplug this product from the wall outlet and refer servicing to qualified service personnel under any of the following conditions:
 - The power adapter or the plug has been damaged.
 - Objects have fallen onto or liquid has been spilled into the product.
 - The product has been exposed to rain or water.
 - The product does not operate normally when following the operating instructions.
 - The product has been dropped or damaged in any way.
 - The product presents a noticeable and obvious change in performance – this indicates a need for service. Do not attempt to open the product to adjust any internal parts.
20. **REPLACEMENT PARTS.** Do not allow anyone, including qualified service technicians, to use replacement parts other than those recommended by the manufacturer. Unauthorized substitutions may result in fire, electric shock or other hazards.
21. **SAFETY CHECK.** Upon completion of any service or repair to this product, ask the service technician to perform safety checks to determine whether the product is in proper operating condition.
22. **HEAT.** The product should be positioned away from heat sources such as radiators, stoves, or other products which produce heat.
23. **LASER.** Do not defeat the compact disc laser safety mechanism. Never look at the laser.
24. **ADAPTERS.** Do not use power adapters other than those recommended by the manufacturer.

MusicWorks Simple Source Audio Control Center

Contents

Introduction	1
Unpacking The Carton	1
Front Panel, Rear panel and Remote Control	2
Placement	3
Connections	3
Operation	5
Clock	5
Using The CD Player	6
Using The Radio	7
Cleaning and Maintenance	8
1-Year Limited Warranty	8
Troubleshooting Guide	9

Introduction

Thanks for purchasing the *MusicWorks* simple source audio control center. The combination of *MusicWorks* and a Cambridge SoundWorks powered loudspeaker system creates a system which is compact, simple to operate, with outstanding music reproduction capability.

MusicWorks' compact size and simple operation make it easy to fit high quality sound in places where even a shelf system is too large. It's perfect for dens, offices, kitchens, bedrooms, and dorm rooms. Cambridge SoundWorks' powered 2.1 speaker systems dramatically outperform the conventional speakers supplied with shelf systems, yet their subwoofer/satellite format allows extremely flexible placement options.

MusicWorks is also a perfect addition to a home or office PC. By connecting your computer sound card's output to the *MusicWorks* Computer Mix input, you can use the same powered speakers for your computer sound while listening to the radio or a CD.

Please take the time to follow this simple User Manual carefully. It will help you set up and operate your *MusicWorks* properly and help you enjoy all of its features. Save this User Manual for future reference.

In the event of difficulty, first contact the retailer where you purchased your unit. If they are unable to resolve your problem, contact Cambridge SoundWorks directly:

Cambridge SoundWorks, Inc.

311 Needham St.
Newton, MA 02464
1-877-YES-HIFI
(1-877-937-4434)

24 hours a day, everyday
In Canada: 1-800-525-4434
Outside US or Canada:
Tel: 617-332-5936
Fax: 617-965-9232

www.cambridgesoundworks.com
email: info@cambridgesoundworks.com

Unpacking The Carton

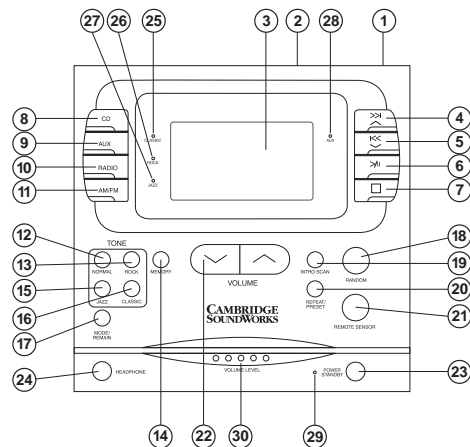
Carefully unpack the carton. Do not attempt to use *MusicWorks* if any part appears damaged. Instead, repack and notify your dealer or Cambridge SoundWorks immediately. Save the carton and all packing material in the event that the unit may require transport.

Parts List

The following pieces should be contained in the *MusicWorks* package

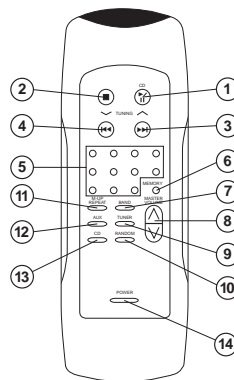
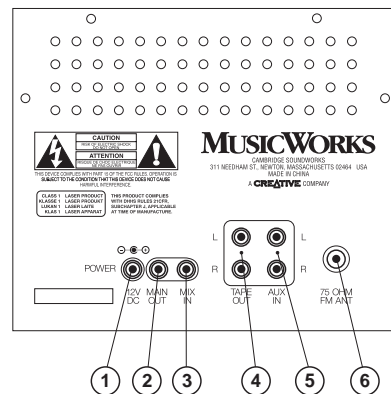
1. *MusicWorks* main unit.
2. Power adapter.
3. Remote control.
4. 2-meter output signal cable.
5. FM antenna wire.
6. User manual.
7. User registration card.

Front Panel, Rear Panel and Remote Control



1. CD Door Open/Close
2. CD Door
3. LCD Digital Display
4. CD Skip/Search Up Button
5. CD Skip/Search Down Button
6. CD Play/Pause Button
7. CD Stop Button
8. CD Selection Button
9. AUX Selection Button
10. Radio Selection Button
11. AM/FM Band Selection Button
12. NORMAL Button
13. ROCK Button
14. MEMORY Button
15. JAZZ Button
16. CLASSIC Button
17. MODE/REMAIN Button
18. RANDOM Button
19. INTRO Button
20. REPEAT/M-UP Button
21. Remote Sensor
22. VOLUME Up/Down Button
23. POWER/STANDBY Button
24. Headphone Socket
25. CLASSIC Indicator
26. ROCK Indicator
27. JAZZ Indicator
28. AUX Indicator
29. STANDBY Indicator
30. VOLUME Level Indicator

1. DC Power Input
2. Main Output
3. Computer Mix Input
4. Tape Recording Output
5. Auxiliary Input
6. FM Antenna Connector



1. CD Play/Pause Button
2. Stop Button For CD Mode
3. CD Skip/Search Button, Radio Tuner "Up"
4. CD Skip/Search Button, Radio Tuner "Down"
5. Program Selector Buttons
6. MEMORY Button
7. BAND Button
8. VOLUME Up/Down Button
9. TUNER Button
10. RANDOM Button
11. M-UP REPEAT Button
12. AUX Button
13. CD Button
14. POWER Button

Placement

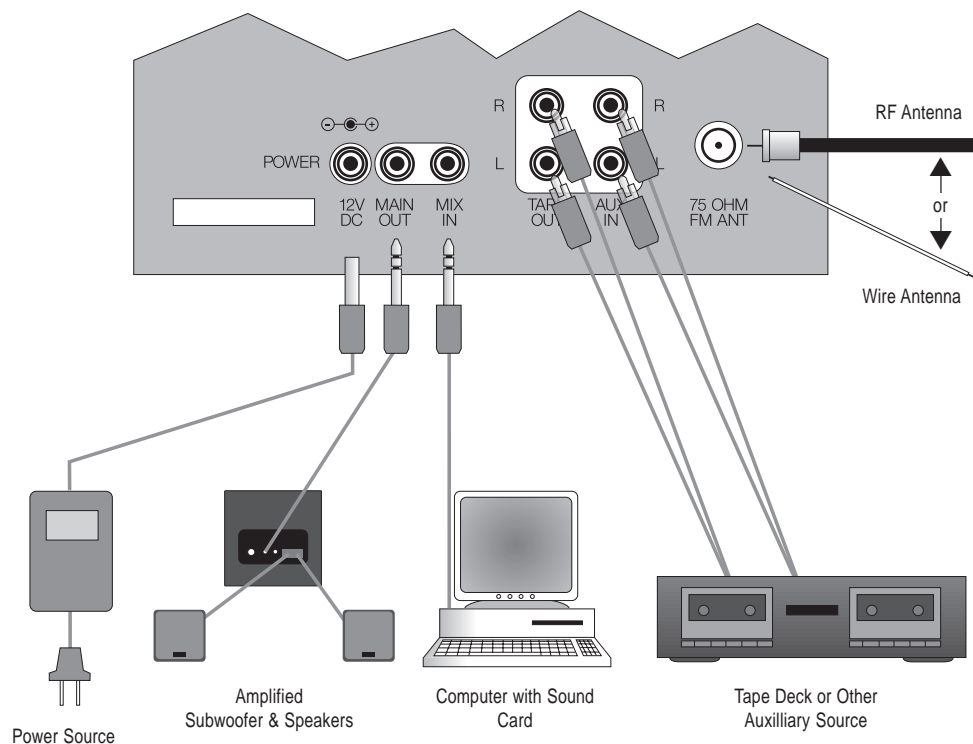
The compact size of *MusicWorks* lets you place it wherever operation is convenient. Powered speakers used with *MusicWorks* may be placed wherever appropriate for optimal sound quality, whether alongside *MusicWorks* or across the room.

MusicWorks is supplied with a 2-meter shielded cable for connection to Cambridge SoundWorks powered loudspeaker systems. If a longer cable is needed, a standard shielded cable of the appropriate length may be substituted. Refer to the manual supplied with your speaker system for placement recommendations.

Notes About Placement:

1. Allow clearance for the full height of the opened CD lid.
2. Metal shelving or cabinets may affect radio reception.
3. Computers and monitors may affect radio reception. Keep *MusicWorks* at least a foot from a video monitor or PC chassis.
4. Avoid placing *MusicWorks* next to high-moisture sites (kitchen sinks or wash basins).

Connections



FM Antenna Options

The wire antenna supplied with *MusicWorks* will be sufficient for reception of local stations in most areas with high signal strength. If you are in a difficult reception area, such as a rural area far away from the transmitters, or an urban area surrounded by tall buildings, you may need to connect to an outdoor antenna system or to cable TV line. *MusicWorks* has an "F"-style connector jack. Use it to connect an FM antenna. (Contact your cable company to see if they include the FM band; some cable operators purposely block FM to reduce TV interference.) Refer to the diagram on the previous page.

AM Antenna

MusicWorks has an efficient internal AM antenna. No outside antenna is needed.

Main Output

Connect *MusicWorks*' MAIN OUTPUT to the input of the powered speakers. The signal at this output is a mix of the primary listening source (as adjusted by *MusicWorks* controls), and the signal fed to the COMPUTER MIX input (without alteration).

A miniplug inserted into the front panel headphone jack automatically turns off the main output.

Note: It is not necessary to use the in-line volume control cable included with some Cambridge SoundWorks speaker systems. The cable included with the *MusicWorks* may be substituted.

Auxiliary Input

MusicWorks features a selectable AUX input (two RCA-type jacks; one for the right channel, one for the left channel). Use this input to listen to external audio sources through your *MusicWorks*, such as a cassette tape, MiniDisc, DAT player or TV sound.

Refer to the diagram on the previous page.

Record Output

MusicWorks features a fixed-level output for tape recording (two RCA-type jacks; one for the right channel, one for the left channel). A signal from the selected source is automatically sent to these jacks. The REC output signal is not affected by volume and tone adjustments. The signal from the Computer Mix input is not available for recording.

Computer Mix Input

MusicWorks features a constant-level mixing input (a 3.5 mm stereo minijack). Connecting a personal computer (or other audio source) to this input lets you mix its alert signals or output with *MusicWorks*' selected audio source. The COMPUTER MIX input lets *MusicWorks* operate as a convenient CD player/radio in an office setting, while also reproducing the office computer's sound.

Since the Computer Mix input is not affected by *MusicWorks*' volume or tone settings, the external audio source should have an output level control, so you can balance its output with the selected audio source. You cannot record from the COMPUTER MIX input.

Operation

Power/Standby

The Power switch in the lower right-hand corner toggles between ON and STANDBY mode. When in STANDBY, the unit uses very little energy. The only circuits left operating are the clock and the remote control.

Tone

MusicWorks is equipped with four different tone settings. These settings affect the selected listening source but not the signal from the COMPUTER MIX input.

Setting	Effect
FLAT	No alteration to signal.
ROCK	Maximum bass and treble boost.
JAZZ	Moderate bass and treble boost.
CLASSIC	Moderate bass boost only.

Tone settings can not be changed from the remote control.

Adjusting Volume

Use the VOLUME UP/DOWN buttons in the center of the unit to set volume level. You can view the relative level setting on the VOLUME LEVEL LEDs near the bottom center of the front panel. Volume may also be adjusted from the remote control, using the MASTER VOLUME rocker switch.

Selecting Sources

Use the four SOURCE SELECTOR buttons on the left of the display to select the primary source. Signals at the COMPUTER MIX input are always active and mixed with the primary listening source. The *MusicWorks* level and equalization circuitry does not affect the COMPUTER MIX signal.

Clock

Setting

Note: The unit must either be in STANDBY or switched ON and the AUX input function selected to change the clock time.

1. Press the MEMORY button once to enter the clock setting mode. The hour digits on the display will flash. Use the CD SKIP (> > |) or SEARCH (|< <) buttons to adjust the hours up or down.
2. Press the MEMORY button again. The minute digits will flash. Use the CD SKIP and SEARCH buttons to set the minutes.
3. Press the MEMORY button to end the clock setting mode.

Note: If there is no adjustment performed for 10 seconds, the unit will automatically exit the clock setting mode, retaining whatever changes have been made.

Viewing

The time will always be displayed when in AUX mode or in STANDBY.

Pressing the MODE/REMAIN button once while in Radio, CD stop or remaining time mode will display the current time for 5-seconds.

Pressing the MODE/REMAIN button twice in CD elapsed time mode will also display the current time for 5-seconds.

Using The CD Player

INTROPLAY
REPEAT

TRACK
PROGRAM 01

00:40

1. Select the CD source button.
2. Press the fingerpad on the CD lid and release.



3. The CD lid will pop open. Place a CD onto the central turntable and close the lid.
4. Lower the lid and press the fingerpad to close.
5. When the lid is closed, *MusicWorks* will check for a CD and display the number of tracks and total time.

CD Information Display

During CD play, *MusicWorks* displays the track number and track elapsed time. Pressing the MODE/REMAIN indicator once displays time remaining. Pressing the MODE/REMAIN button a second time displays current time for 5-seconds, after which the display reverts to the default of track number and track elapsed time.

When a CD is paused, the elapsed or remaining time indicator will blink.

Closing the lid with no CD inside or with an unreadable CD inside causes *MusicWorks* to display:

d 15C

Intro Scan

The INTRO function is used to give quick reference to all the tracks on a disc. When in STOP mode, press the INTRO button and *MusicWorks* will play the first 10 seconds of each track on the disc. To stop the INTRO function, press the INTRO function once more. The current track will continue playing.

Programmed Playback

You may program up to 20 tracks for playback in any order.

TRACK
PROGRAM 00

P:0.1

TRACK
PROGRAM 04

P:0.2

TRACK
PROGRAM 04

P:0.1

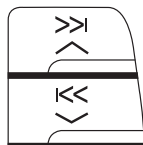
1. Programming may only be performed when the CD is in the STOP mode.
2. Press the MEMORY button once.
3. Select the desired track using the Skip buttons.

Using The Radio

Tuner Display Window



1. Switch the unit on.
2. Select the RADIO source button.
3. Select the desired band using the AM/FM button.
4. Tune the required station using either the SEARCH UP (∧) or SEARCH DOWN (∨) buttons, or by pressing the REPEAT/PRESET button to recall a previously saved preset station.



Auto Tuning

By pressing the SEARCH UP or SEARCH DOWN button for one second or more, the AUTO TUNE feature is activated. The radio will search for the next available strong broadcast.

Manual Tuning

Momentarily pressing the SEARCH UP or SEARCH DOWN will change the station frequency one step in the desired direction. Use this feature to tune in a station that is too weak to be received using AUTO TUNING.

The last tuned frequency is stored in memory when the power is set to STANDBY mode, or another source is selected. When the unit is returned to radio mode, the same station will be heard.

Storing Presets

There are a total of 20 available preset locations where you may store the most frequently used AM and FM stations. 10 places are reserved for FM and 10 for AM.

1. Tune to the desired station.
2. Press the MEMORY button. The word "Program" will flash in the LCD display and "channel 00" will appear.
3. While "Program" is still flashing, press the REPEAT/PRESET button until the number of the memory location where you want to store the station appears. Press the MEMORY button again to store the station in this location.

Repeat Play

Press the REPEAT/PRESET button for endless repeat play of the entire CD. The REPEAT indicator on the display will illuminate.

Press the REPEAT/PRESET button a second time to repeat a single track. The REPEAT indicator on the display will flash.

To cancel the repeat play functions, press the REPEAT/PRESET button a third time. The REPEAT indicator on the display will go out. Stopping the disc or opening the lid will also cancel the REPEAT function.

Random Play

Press the RANDOM button and *MusicWorks* will play all tracks of a CD in random order and then stop. Press Random again or open the CD lid to cancel RANDOM Play.

REPEAT and RANDOM play features can be used at the same time. *MusicWorks* randomly plays all the tracks on a CD, then starts a new random sequence play.

4. Repeat for other stations as desired, up to 10 stations for each band.

Recalling Presets

The preset stations must be stored before this operation can be performed.

1. With the unit switched to RADIO mode and the desired band selected, press the REPEAT/PRESET button until your desired station is reached.
2. You can also directly access a preset from the numeric keys on the remote control. Press the + 10 button for preset number 10.

Cleaning And Maintenance

MusicWorks does not require any periodic maintenance or adjustment, provided it is operated as recommended. Keep the CD lid closed when not in use to prevent dust from settling on the CD mechanism and lens. If it becomes necessary to clean your *MusicWorks*, be sure to follow these precautions:

1. Unplug *MusicWorks* before cleaning.
2. Never touch the compact disc player lens. Should the lens require cleaning, use a camera lens blower brush or a compressed air can. If the lens cannot be cleaned this way, refer the unit to a qualified service person.
3. Do not immerse *MusicWorks* in water.

4. *MusicWorks* can be cleaned with a soft cloth dampened with water. Do not use solvents, chemicals or solutions containing abrasives, alcohol, or ammonia. Do not spray water directly on the unit. Lightly spray the cloth damp, wipe the unit clean, and let it dry.
5. If liquids should spill into *MusicWorks*, immediately unplug the unit and have it checked by a qualified service person before next use.
6. If necessary, you may use a soft brush vacuum attachment to clean the surfaces.

1-Year Limited Warranty

To the original purchaser, Cambridge SoundWorks, Inc. will warrant *MusicWorks* to be free from defects in material and workmanship for a period of one (1) year from date of purchase. With respect to defects, Cambridge SoundWorks will, at its option, replace the product or repair the defect in the product with no charge to the original purchaser for parts or labor.

This warranty does not extend to any defect, malfunction or failure caused by misuse, abuse, accident, faulty hookup, defective associated equipment or use of *MusicWorks* with equipment for which it is not intended.

This warranty is valid only when *MusicWorks* is returned to Cambridge SoundWorks. Call for a Return Authorization Number for the unit and return it to the accompanying address, freight prepaid, together with a copy of the original sales slip to establish warranty status. Please do not return *MusicWorks*, or any of its parts, to Cambridge SoundWorks without prior authorization.

This is the sole and expressed warranty. This warranty is in lieu of all other warranties, expressed or implied, of merchantability, fitness for purpose or otherwise. In no event shall Cambridge SoundWorks be liable for incidental or consequential damages or have any liability with respect to defects other than the obligations set forth above.

To ensure warranty coverage, it is incumbent upon the original purchaser to inform Cambridge SoundWorks or any of its Authorized Service Agencies of the defect within the warranty period. The only acceptable method of establishing warranty status is a copy of the original proof of purchase indicating customer's name and purchase date.

For warranty information contact:

Cambridge SoundWorks, Inc.
311 Needham St.
Newton, MA 02464
1-877-YES-HIFI
(1-877-987-4434)
www.cambridgesoundworks.com
email:
info@cambridgesoundworks.com

Troubleshooting Guide

Symptom	Possible Cause	Remedy
No sound	<ol style="list-style-type: none"> 1. Speaker system is not connected. 2. Speaker system is not turned on. 3. Headphones are connected. 4. Unit is in STANDBY. 5. Volume Control is in its minimum position. 6. DC power supply is not connected. 	<ol style="list-style-type: none"> 1. Check speaker system connections. 2. Check speaker power switch. 3. Remove headphone plug from MusicWorks. 4. Turn on power switch. 5. Increase volume. 6. Check power supply connections.
Poor radio reception	<ol style="list-style-type: none"> 1. FM antenna is not connected. 2. FM antenna is inadequate for conditions. 3. The station is improperly tuned. 4. The location and direction of antenna is inappropriate. 5. AM reception is poor. 	<ol style="list-style-type: none"> 1. Check FM antenna connection. 2. Connect to outdoor, cable, or amplified antenna system. 3. Tune to correct frequency. 4. Reorient antenna for best reception. 5. Rotate unit for best reception.
Remote control does not function	<ol style="list-style-type: none"> 1. Batteries are incorrectly installed. 2. Batteries are weak or dead. 3. There is an obstruction between the remote and the main unit. 4. The remote control is not directly facing the main unit. 5. There is bright sunlight hitting the remote sensor. 	<ol style="list-style-type: none"> 1. Check battery polarity. 2. Replace batteries. 3. Remove the obstruction or move unit to a different location. 4. Aim the remote towards the main unit. 5. Face the main unit away from direct sun.
CD does not play (Number of tracks and playing time are not displayed)	<ol style="list-style-type: none"> 1. The disc is inserted upside down. 2. The disc is dirty. 3. The disc is scratched. 4. The disc is warped. 5. Moisture has formed inside the CD Deck. 6. The disc is of an incompatible or unsupported format (MP-3CD, CD-RW, Data CD, DVD). 	<ol style="list-style-type: none"> 1. Insert disc correctly with label side up. 2. Wipe clean with a soft cloth. 3. Use a new disc. 4. Wait about 20-30 minutes and try again. 5. Use a standard music CD or CD-R.
Some portions of CD do not play	<ol style="list-style-type: none"> 1. The disc is dirty. 2. The disc is scratched. 	<ol style="list-style-type: none"> 1. Wipe clean with a soft cloth. 2. Use a new disc.

C A M B R I D G E[®]
SOUNDWORKS

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